

AERIALY DEPOSITED LEAD SITE INVESTIGATION REPORT

**Former San Jose Hyatt/
Old Bayshore Highway Land Swap
San Jose, California**

PREPARED FOR:

**BORELLI INVESTMENT COMPANY
2051 JUNCTION AVENUE, SUITE 100
SAN JOSE, CALIFORNIA 95131**



PREPARED BY:

**GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742**





Project No. S9819-03-02
October 31, 2013

VIA ELECTRONIC MAIL

Chris Anderson
Borelli Investment Company
2051 Junction Avenue, Suite 100
San Jose, California 95131

Subject: AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT
FORMER SAN JOSE HYATT/OLD BAYSHORE HIGHWAY LAND SWAP
SAN JOSE, CALIFORNIA

Dear Mr. Anderson:

In accordance with your request, we have completed an investigation of the presence of aerially deposited lead (ADL) along either side of an approximate 1,100-foot-long section of Old Bayshore Highway (the Site) adjacent to the northeast of the San Jose Airport Garden Hotel (formerly the San Jose Hyatt) in San Jose, California. The accompanying report summarizes the services performed including the advancement of eleven direct-push borings for collection of shallow soil samples and laboratory analysis of samples for total and soluble lead.

We appreciate the opportunity to assist you on this project. Please contact us if you have any questions concerning the report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.

A handwritten signature in green ink, appearing to read "Gemma G. Reblando".

Gemma G. Reblando
Project Geologist

A handwritten signature in green ink, appearing to read "Jim Brake".

Jim Brake, PG
Senior Geologist/Associate

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AERIALLY DEPOSITED LEAD SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This report describes and presents the results of our investigation of aerially deposited lead (ADL) in soil along an approximately 1,100-foot-long section of the Old Bayshore Highway adjacent to the San Jose Airport Garden Hotel in San Jose, California. We performed the investigation and prepared this report for Borelli Investment Company (the Client) on behalf of the Bumb Family. The Bumb Family are the owners of the San Jose Airport Garden Hotel.

1.1 Project Location and Description

The project area consists of an approximate 2.2-acre property (the Site) adjacent to the north and northeast of the San Jose Airport Garden Hotel (the former San Jose Hyatt) in San Jose, California. The Site includes a portion of the Old Bayshore Highway. The approximate project location is depicted on the Vicinity Map, Figure 1, and Site Plan, Figure 2.

The City of San Jose proposed a land swap with the Bumb Family, which would entail giving the Bumb Family the Site in exchange for taking approximately 2.5 acres of the eastern portion of the Bumb Family property (Figure 3). The purpose of the land swap would be to facilitate construction of an interchange at Highway 101 and North 4th Street.

1.2 Purpose

The purpose of the ADL investigation was to assess lead concentrations in shallow soil on the Site. ADL is typically present in surface and shallow soil along roadways primarily due to historic leaded fuel emissions from automobile exhaust. Lead poses potential health risks related to inhalation, ingestion, and dermal contact with lead-impacted soil.

We recently completed a Phase I ESA of the Site which identified ADL as a recognized environmental condition (REC) for the Site. Prior to moving forward with the land swap with the City of San Jose, the Client requested an ADL survey be performed to determine if ADL is present in soil within the Site at levels of concern.

2.0 BACKGROUND

This section describes the basis for conducting ADL surveys along roadways and how the data is used in management of soil that may be excavated and generated by a roadway construction project.

2.1 Potential Lead Soil Impacts

Ongoing testing by the California Department of Transportation (Caltrans) has shown that ADL exists in shallow soil along roadways due to emissions from vehicles powered by leaded gasoline. Excavation of soil during construction projects along roadways can generate soil that needs to be properly

managed due to its lead content. Management of lead-impacted soil is necessary to protect the health of construction workers and nearby receptors and to properly dispose of soil that is removed from the construction project area.

2.2 Hazardous Waste Criteria

Regulatory criteria to classify a waste as “California hazardous” for handling and disposal purposes are contained in the California Code of Regulations (CCR), Title 22, Division 4.5, Chapter 11, Article 3, § 66261.24. Criteria to classify a waste as “Resource, Conservation, and Recovery Act (RCRA) hazardous” are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), § 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the representative total metal content equals or exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the representative soluble metal content equals or exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). Concentrations of metals in waste have the potential to exceed the STLC when the total metal content is greater than or equal to ten times the respective STLC value, since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA (or Federal) hazardous when the representative soluble metal content equals or exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., representative lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or corrosivity. Waste that is classified as either California-hazardous or RCRA-hazardous requires management as a hazardous waste.

The Department of Toxic Substances Control (DTSC) regulates and interprets hazardous waste laws in California. The DTSC generally considers excavated or transported materials that exhibit “hazardous waste” characteristics to be a ‘waste’ requiring proper management, treatment and disposal. Soil that contains lead at concentration exceeding hazardous waste thresholds and is left in-place would not be necessarily classified by DTSC as a ‘waste.’ The DTSC has provided site-specific determinations that “movement of wastes within an area of contamination does not constitute ‘land disposal’ and, thus, does not trigger hazardous waste disposal requirements.” Therefore, lead-impacted soil that is scarified in-place, moisture-conditioned, and recompacted during roadway improvement activities might not be considered a ‘waste.’ DTSC should be consulted to confirm waste classification. It is noted that in addition to DTSC regulations, health and safety requirements and other local agency requirements may also apply to the handling and disposal of lead-impacted soil.

3.0 SCOPE OF SERVICES

This section describes the scope of services performed for the ADL survey.

3.1 Pre-field Activities

Activities conducted in preparation for the field sampling included the following:

- A pre-work site visit on August 13, 2013, to identify the project boundaries and conditions and outlining the proposed sampling locations with white paint for subsequent utility clearance.
- Obtaining an encroachment permit from the City of San Jose (Permit No. 13-123911, RV (3-16370)) for our borings (Appendix A).
- Retaining Advanced Technology Laboratories (ATL), a California-certified analytical laboratory, to perform chemical analyses of soil samples.

3.2 Field Activities

On October 8, 2013, we advanced eleven borings on the Site using direct-push equipment to an approximate depth of 2.0 feet. Borings SB1 through SB6 were advanced along the southbound (SB) shoulder of Matrix Boulevard (Old Bayshore Highway) and borings NB7 through NB11 along the northbound (NB) shoulder.

Three soil samples were collected from each boring at approximate depth intervals of 0.0 to 0.5 foot, 0.5 to 1.0 foot and 1.5 to 2.0 feet making a total of 33 samples collected. In each boring a soil core was collected in a cellulose thermoplastic (acetate) liner fitted inside the drill rod, which was driven by the direct-push rig. Individual soil samples were collected by cutting out 6-inch-long sections of soil core from the desired depth intervals. The soil sample from each interval was then opened and transferred to a Ziploc® re-sealable plastic bag to be homogenized within the sample bag. The bagged samples were then labeled with a sample ID number, date, time, and the sampler's initials. The homogenized, labeled samples were placed on ice in a cooler, and delivered to ATL for analytical testing under chain-of-custody (COC) documentation.

Following sample collection, the borings were backfilled with the excess soil cuttings. The top 6 inches of borings SB2 through SB6, which were located along the paved shoulder of Old Bayshore Highway, were sealed with concrete cement and the surface was dyed black to match the color of the surrounding pavement.

3.3 Quality Assurance/Quality Control Procedures

Quality Assurance/Quality Control (QA/QC) procedures were performed during the field exploration activities. These procedures included the decontamination of sampling equipment before each sample was collected and providing COC documentation for each sample submitted to the laboratories. The soil sampling equipment was cleansed between each boring by washing the equipment with an Alconox® solution followed by a double rinse with deionized water. The decontamination water was discharged to the ground surface away from the roadway.

4.0 LABORATORY ANALYSES

The soil samples collected within the Site were submitted to ATL for analysis as described in the following subsections.

4.1 ADL Soil Samples

The soil samples were analyzed as follows:

- All of the soil samples (33) were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B.
- Six soil samples (SB1-0.0, SB1-1.5, NB7-0.0, NB9-0.0, NB10-0.0, and NB11-0.0) with total lead concentrations exceeding 10 times the STLC (50 milligrams per kilogram – mg/kg) were extracted using the WET then analyzed for soluble lead following EPA Test Method 6010B.
- Two soil samples (SB1-0.0 and NB7-0.0) with lead concentrations exceeding 100 mg/kg were extracted using the TCLP then analyzed for soluble lead following EPA Test Method 6010B.

4.2 Laboratory QA/QC Procedures

QA/QC procedures were performed by ATL, as applicable, for the method of analysis with specificity for each analyte listed in the test method's QA/QC. QA/QC measures for the various metals analyses included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever was more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix, whichever was more frequent, with the spike made at ten times the reporting limit or at the analyte level.

Prior to submitting the soil samples to the laboratories, the COC documentation was reviewed for accuracy and completeness. Copies of the laboratory reports and COC documentation are in Appendix B.

5.0 FIELD OBSERVATIONS AND LABORATORY ANALYSIS RESULTS

This section describes our observations of soil in the eleven site borings and the results of laboratory analysis of soil samples collected from the borings.

5.1 Soil Description

Soil encountered in the borings generally consisted of brown sandy silt to the maximum sampling depth of 2.0 feet. Asphalt thickness encountered in borings SB2 through SB6 ranged from 1 to 2 inches.

5.2 Laboratory Analysis Results

As shown on Table 1, total lead was detected in each of the 33 soil samples collected from the Site at concentrations ranging from 5.1 to 340 mg/kg. Six of the 33 soil samples had total lead concentrations greater than 50 mg/kg (ten times the STLC value for lead of 5.0 mg/l). These six samples were further analyzed for soluble lead by the WET. Two of the 33 soil samples had total lead concentrations equal to or greater than 100 mg/kg (twenty times the STLC value for lead of 5.0 mg/l). These two samples were further analyzed for soluble lead by the TCLP.

Soluble lead was reported for the six soil samples analyzed by the WET at concentrations ranging from 2.6 to 18 mg/l, two of which (SB1-0.0 and NB7-0.0) had soluble lead concentrations greater than the lead STLC of 5.0 mg/l. Soluble lead was reported for the two soil samples analyzed by the TCLP at concentrations of 0.10 and 0.12 mg/l - less than the federal RCRA hazardous threshold of 5.0 mg/l.

Copies of the ATL laboratory reports and COC documentation are in Appendix B.

5.3 Laboratory Quality Assurance/Quality Control

The ATL laboratory QA/QC reports show acceptable surrogate recoveries and non-detect results for the method blanks. The report showed acceptable recoveries and relative percent difference for the matrix spikes and matrix spike duplicates. Based on this limited data review, no qualifications of the ATL data are necessary, and the data are of sufficient quality for the purposes of this report.

5.4 Statistical Evaluation for Lead Detected in Soil Samples

Statistical methods were used to evaluate the total lead data and determine: 1) the upper confidence limits (UCLs) of the arithmetic means of the total lead concentrations for each sampling depth; and 2) if an acceptable correlation between total and WET lead concentrations exists that would allow the prediction of WET lead concentrations based on calculated UCLs.

The total lead data were treated as one data population for statistical evaluation.

5.4.1 Calculating the UCLs for the Arithmetic Mean

The upper one-sided 90% and 95% UCLs of the arithmetic mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of site data, equal or exceed the true mean 90% and 95% of the time, respectively. Statistical confidence limits are the classic tool for addressing uncertainties of a distribution mean. The UCLs of the arithmetic mean concentration are used as the mean concentrations because it is not possible to know the true mean due to the essentially infinite number of soil samples that could be collected from a site. The UCLs therefore account for uncertainties due to limited sampling data. As data become less limited at a site, uncertainties decrease, and the UCLs move closer to the true mean.

Non-parametric bootstrap techniques were used to calculate the UCLs. The bootstrap results are in Appendix C. The calculated UCLs and statistical results are summarized in the table below:

SAMPLE INTERVAL (feet)	90% UCL TOTAL LEAD (mg/kg)	95% UCL TOTAL LEAD (mg/kg)	TOTAL LEAD MEAN (mg/kg)	MINIMUM VALUE (mg/kg)	MAXIMUM VALUE (mg/kg)
0.0 to 0.5	110.3	121.5	74.2	5.1	340
0.5 to 1.0	11.0	11.4	9.2	5.3	19
1.5 to 2.0	20.4	21.8	14.8	7.1	59

5.4.2 Correlation of Total and Soluble Lead

Total and corresponding WET lead concentrations are bivariate data with a linear structure. This linear structure should allow for the prediction of WET lead concentrations based on the maximum total lead concentrations presented in the table above.

To estimate the degree of interrelation between total and corresponding WET lead values (x and y , respectively), the *correlation coefficient* [r] is used. The correlation coefficient is a ratio that ranges from +1 to -1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of -1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all.

The *correlation coefficient* was calculated for the six (x , y) data points (i.e., soil samples analyzed for both total lead [x] and WET lead [y]) and it equaled 0.9881. A *correlation coefficient* greater than or equal to 0.8 is an acceptable indicator that a correlation exists. Consequently, an acceptable correlation was established for the total lead and WET soluble lead data.

For the *correlation coefficient* that indicates a linear relationship between total and WET lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y -intercept equal to zero since that is a known point. The equation of the regression line was determined to be $y = 0.0507(x)$, where x represents total lead concentrations and y represents predicted WET lead concentrations.

This equation was used to estimate the expected WET lead concentrations for the total lead UCLs for the data set (see Section 5.4.1). Regression analysis results and a scatter plot depicting the (x , y) data points along with the regression line are included in Appendix C. The 90% and 95% UCL-predicted WET soluble lead concentrations and their bearing on waste classification of onsite soil are discussed in Section 6.0.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Use of the 90% UCL of lead content for waste classification of soil planned for excavation and management (i.e., onsite reuse, offsite reuse, or offsite disposal) has historically been considered sufficient to satisfy a good faith effort by the EPA as discussed in *Solid Waste 846 (SW-846)*. Health risk assessment typically uses the 95% UCL of the lead content in a waste in accordance with the Risk Assessment Guidance for Superfund (RAGS) Volume 1 Documentation for Exposure Assessment.

The table below summarizes the calculated total lead UCLs, the predicted WET soluble lead concentrations and the waste classification if soil within the Site were excavated to various depths.

Excavation Depth	90% UCL Total Lead (mg/kg)	90% UCL Predicted WET Lead (mg/l)	95% UCL Total Lead (mg/kg)	95% UCL Predicted WET Lead (mg/l)	Waste Classification
0 to 0.5 foot	110.3	5.6	121.5	6.2	Hazardous
Underlying soil (0.5 to 2.0 feet)	14.1	0.7	14.9	0.8	Non-hazardous
0 to 1.0 foot	60.7	3.1	66.5	3.4	Non-hazardous
Underlying soil (1.0 to 2.0 feet)	15.7	0.8	16.6	0.8	Non-hazardous
0 to 1.5 feet	44.1	2.2	48.1	2.4	Non-hazardous
Underlying soil (1.5 to 2.0 feet)	20.4	1.0	21.8	1.1	Non-hazardous
0 to 2.0 feet	38.2	1.9	41.5	2.1	Non-hazardous

As shown on the above table, soil excavated from the surface to 0.5 foot would likely be classified as a California hazardous waste since the 90% UCL-predicted WET lead concentration is greater than the STLC value for lead of 5.0 mg/l. The top 0.5 foot of excavated soil should therefore be either (1) managed and disposed of as a California hazardous waste since the 90% UCL-predicted WET lead concentration is greater than the STLC value for lead of 5.0 mg/l or (2) stockpiled and resampled to confirm waste classification in accordance with specific disposal facility acceptance criteria, if applicable.

Underlying soil (i.e., soil from depths of 0.5 to 2.0 feet) where excavated and managed separately would not be classified as a California hazardous waste and could be reused onsite or disposed of as non-hazardous soil since the 90% and 95% UCL-predicted WET lead concentrations are less than the STLC value for lead of 5.0 mg/l.

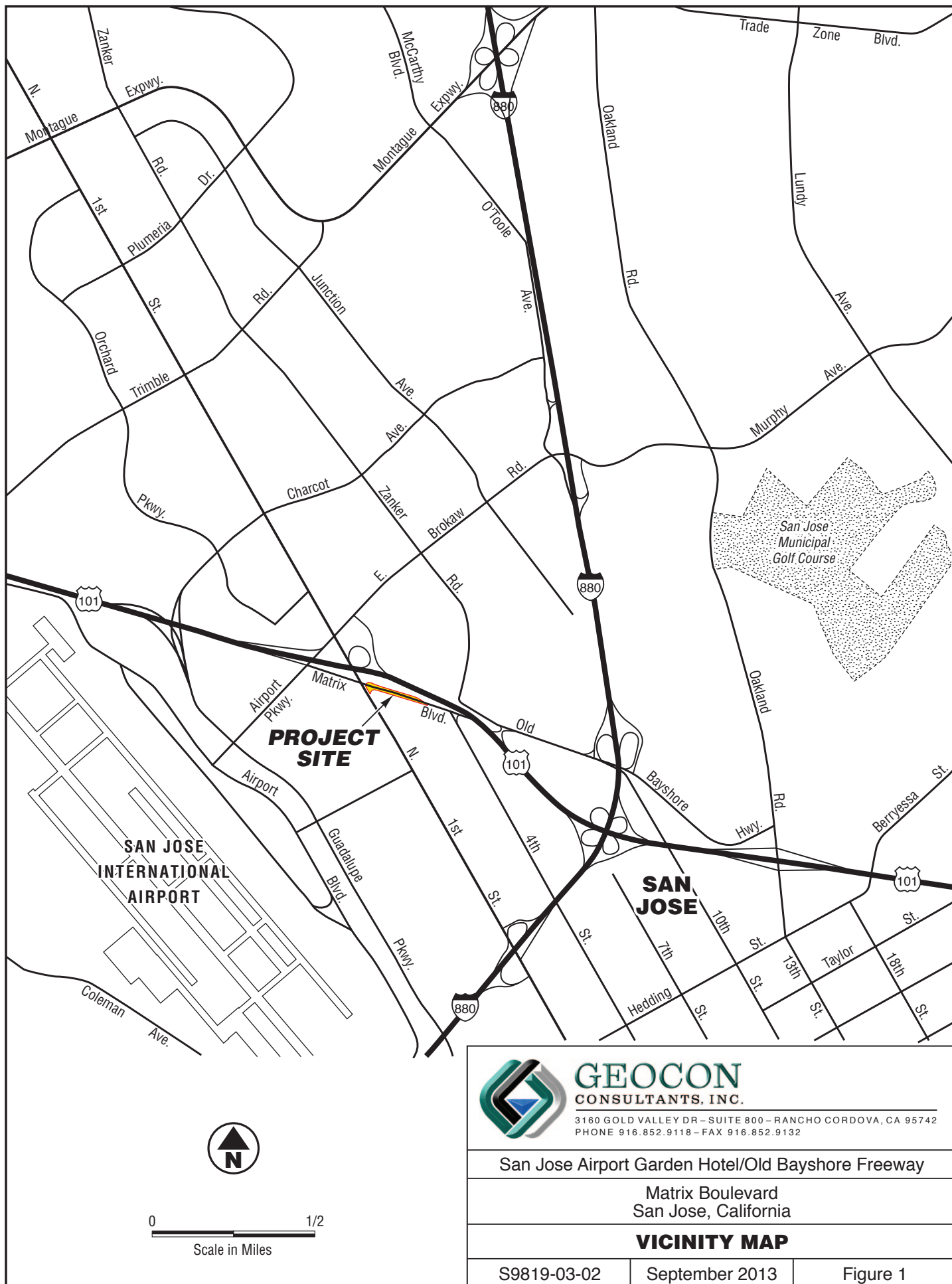
If soil excavated from the top 1.0 foot or deeper is excavated and managed *as a whole*, then soil generated from the top 1.0 foot or deeper would not be classified as a California-hazardous waste since the 90% and 95% UCL-predicted WET soluble lead concentrations are less than the STLC value for lead of 5.0 mg/l. Consequently, soil excavated from the top 1.0 foot or deeper could be reused onsite or disposed of as non-hazardous soil with respect to lead content.

Based on the TCLP soluble lead results of less than 5.0 mg/l, soil generated at the Site will not be classified as federal RCRA hazardous waste. If soil within the project limits is scarified in-place, moisture-conditioned, and recompactd during roadway improvement activities, it may not be considered a “waste.”

7.0 REPORT LIMITATIONS

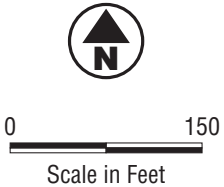
This report has been prepared exclusively for Borelli Investment Company and the Bumb Family. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. We strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

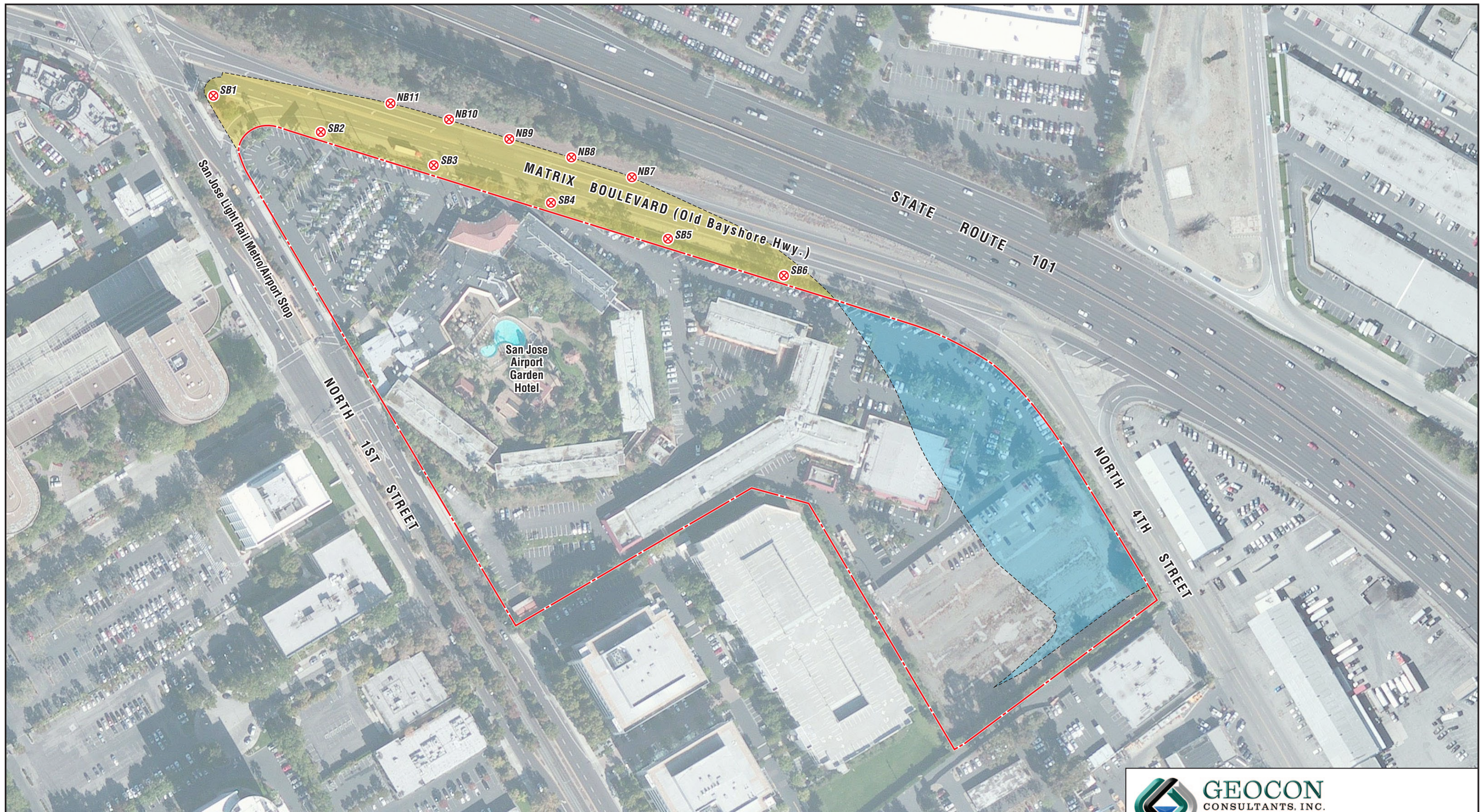




LEGEND:
SB1 ⊗ Approximate Boring Location



 GEOCON CONSULTANTS, INC. <small>3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742 PHONE 916.852.9118 - FAX 916.852.9132</small>		
San Jose Airport Garden Hotel/Old Bayshore Freeway		
Matrix Boulevard San Jose, California		
SITE PLAN		
S9819-03-02	October 2013	Figure 2



LEGEND:

SB1 ⊗ Approximate Boring Location

Portion to be transferred from City of San Jose to the Bumb family

Portion to be transferred from the Bumb family to the City of San Jose



0 150
Scale in Feet



GEOCON
CONSULTANTS, INC.

3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 - FAX 916.852.9132

San Jose Airport Garden Hotel/Old Bayshore Freeway

Matrix Boulevard
San Jose, California

SITE PLAN - LAND SWAP AREAS

S9819-03-02

October 2013

Figure 3

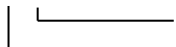
TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS - TOTAL AND SOLUBLE LEAD
AERIALY DEPOSITED LEAD INVESTIGATION
SAN JOSE HYATT/OLD BAYSHORE LAND SWAP
SAN JOSE, CALIFORNIA

BORING ID	SAMPLE DEPTH (feet)	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	TCLP LEAD (mg/l)
SOUTHBOUND SHOULDER - MATRIX BOULEVARD (OLD BAYSHORE HIGHWAY)				
SB1-0.0	0.0	340	18	0.10
SB1-0.5	0.5	19	---	---
SB1-1.5	1.5	59	3.0	---
SB2-0.0	0.0	21	---	---
SB2-0.5	0.5	6.6	---	---
SB2-1.5	1.5	7.1	---	---
SB3-0.0	0.0	8.5	---	---
SB3-0.5	0.5	16	---	---
SB3-1.5	1.5	7.3	---	---
SB4-0.0	0.0	32	---	---
SB4-0.5	0.5	5.3	---	---
SB4-1.5	1.5	8.4	---	---
SB5-0.0	0.0	10	---	---
SB5-0.5	0.5	5.6	---	---
SB5-1.5	1.5	8.3	---	---
SB6-0.0	0.0	5.1	---	---
SB6-0.5	0.5	6.5	---	---
SB6-1.5	1.5	8.4	---	---
NORTHBOUND SHOULDER - MATRIX BOULEVARD (OLD BAYSHORE HIGHWAY)				
NB7-0.0	0.0	140	5.3	0.12
NB7-0.5	0.5	11	---	---
NB7-1.5	1.5	12	---	---
NB8-0.0	0.0	38	---	---
NB8-0.5	0.5	5.5	---	---
NB8-1.5	1.5	18	---	---
NB9-0.0	0.0	60	2.6	---
NB9-0.5	0.5	6.3	---	---
NB9-1.5	1.5	9.7	---	---
NB10-0.0	0.0	79	3.9	---
NB10-0.5	0.5	12	---	---
NB10-1.5	1.5	12	---	---
NB11-0.0	0.0	82	4.4	---
NB11-0.5	0.5	7.1	---	---
NB11-1.5	1.5	12	---	---

TABLE 1				
SUMMARY OF SOIL ANALYTICAL RESULTS - TOTAL AND SOLUBLE LEAD				
AERIALY DEPOSITED LEAD INVESTIGATION				
SAN JOSE HYATT/OLD BAYSHORE LAND SWAP				
SAN JOSE, CALIFORNIA				
BORING ID	SAMPLE DEPTH (feet)	TOTAL LEAD (mg/kg)	WET LEAD (mg/l)	TCLP LEAD (mg/l)

Notes:

SB1-0.0



Top of sample depth interval in feet below ground surface

Boring identification

mg/kg = Milligrams per kilogram

mg/l = Milligrams per liter

WET = Waste Extraction Test

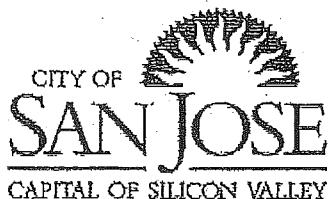
TCLP = Toxicity Characteristic Leaching Procedure

< = Less than the laboratory reporting limit

--- = Not analyzed

APPENDIX

A



City of San Jose

Department of Public Works • Development Services Division
200 E. Santa Clara St. • San Jose, California 95113
(408) 535-3555

Permit and Required Inspections

Revocable Encroachment Permit (D-Soil Boring)

Permit Number: 13 123911 RV (3-16370)

Project Name: N 1ST ST 3-16370 RV

Permit Expires: 01/02/2014 *

Description: 11 SOIL BORINGS FOR SAMPLING BETWEEN THE DEPTH OF 0-24" ALONG MATRIX BLVD. E/O N. 1ST.

Location / Address: BOTH SHOULDERS OF MATRIX BLVD E/O N. 1ST

Applicant / Permittee	Property Owner	Contractor	Engineer / Architect
GEOCON CONSULTANTS INC. 3160 GOLD VALLEY DR Suite 800 RANCHO CORDOVA CA (916)852-9118 716050	NONE	GEOCON CONSULTANTS INC. 3160 GOLD VALLEY DR Suite 800 RANCHO CORDOVA CA (916)852-9118 716050	NONE

Additional Information

Allowable Working Hours	9:00AM-3:30PM (Arterial)	Downtown (RDA)?	No
Total # of Borings/Wells/Potholes	11	Street Closure Needed?	No
Amount of Surety	6000	Type of Surety	Cashier's Check
Surety Issued by (Bank Name)	PACIFIC WESTERN BANK	Surety Reference No.	465113
Surety provided by:	APPLICANT		

Permit Fees

Fee Description	Amount	Receipt No.	Fee Description	Amount	Receipt No.
PW-Record Retention Fee	\$123.00	727957	PW-Revocable Encroachment Permit I	\$2,195.00	727957
PW-NR-Underground Service Alert Fee	\$650.00	727957			

Required Inspections

6032 - Site Inspection

The Contractor shall notify the Public Works Project Inspector Yvonne Williams at least 24 hours prior to starting work.
Voicemail: (408) 975-7415 Main Office: (408) 535-3555 E-mail: Yvonne.Williams@sanjoseca.gov

Conditions: CONTRACTOR SHALL CONFORM TO THE ATTACHED PLAN, DETAIL & CONDITIONS.
CONTRACTOR SHALL COORDINATE WITH PW INSPECTOR PRIOR TO START OF ANY WORK AND
COORDINATE TRAFFIC/PEDESTRIAN SAFETY CONTROL.

Permit Expires: 01/02/2014 *

Permit Issued: October 04, 2013

Project Engineer: Vivian Tom

By signing below, I agree that the information provided is true and correct, and that the construction will conform to the approved plans, attached conditions and the San Jose Municipal Code.

Applicant/Permittee: Jim A. Kellert / Geocon

Date: 10/7/13

* IF THE WORK CANNOT BE COMPLETED BY THIS DATE, YOU SHOULD DISCUSS THE POTENTIAL OF EXTENDING THE PERMIT WITH THE CITY PROJECT ENGINEER. THIS MAY REQUIRE THE PAYMENT OF ADDITIONAL FEES.

STANDARD CONDITIONS FOR REVOCABLE ENCROACHMENT PERMIT: PW # 13-123911RV (3-16370)

1. All work performed under this permit shall be in accordance with City Standard Plans, Specifications, and attached details and is subject to inspection and approval by the Director of Public Works.
2. Permittee shall contact the Public Works inspector at least 24 hours before beginning work to arrange a pre-construction meeting. **Permittee shall have a traffic control plan prepared in advance of meeting.**
3. Any construction taking place outside of normal City business hours (Monday - Friday 7:30AM - 4:30PM), will require the payment of additional fees for overtime related to Construction Inspection services.
4. Permittee shall mark area and call Underground Service Alert (USA), 1-800-227-2600, at least two days prior to starting work.
5. Contractor shall remove all USA markings upon completion of the underground work. Only chalk paint shall be used in the Redevelopment Area (bounded by Julian Street and Highway 280, and between Highway 87 and Fourth Street). Removal of paint shall be by high water pressure only.
6. Permittee will forfeit all or part of the security deposit if the City is required to repair and/or replace any of the public improvements. Security deposits will be returned within two weeks of project acceptance.
7. Permittee shall maintain insurance coverage during all work activity as approved on the attached Insurance Clearance.

PROJECT COMPLETE

Inspectors Comments: _____

ACCEPTED BY CONSTRUCTION INSPECTION:

TOM WELCH
Project Inspector (Print)

Tom Welch
Signature

10/15/13
Date

APPENDIX

B



October 17, 2013

Jim Brake
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
Tel: (916) 852-9118
Fax: (916) 852-9132



Re: ATL Work Order Number : 1303172
Client Reference : Old Bayshore Freeway ADL, S9819-03-02

Enclosed are the results for sample(s) received on October 10, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E Rodriguez", written in a cursive style.

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/17/2013

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB1-0.0	1303172-01	Soil	10/08/13 10:10	10/10/13 8:10
SB1-0.5	1303172-02	Soil	10/08/13 10:11	10/10/13 8:10
SB1-1.5	1303172-03	Soil	10/08/13 10:12	10/10/13 8:10
SB2-0.0	1303172-04	Soil	10/08/13 10:20	10/10/13 8:10
SB2-0.5	1303172-05	Soil	10/08/13 10:21	10/10/13 8:10
SB2-1.5	1303172-06	Soil	10/08/13 10:22	10/10/13 8:10
SB3-0.0	1303172-07	Soil	10/08/13 10:30	10/10/13 8:10
SB3-0.5	1303172-08	Soil	10/08/13 10:31	10/10/13 8:10
SB3-1.5	1303172-09	Soil	10/08/13 10:32	10/10/13 8:10
SB4-0.0	1303172-10	Soil	10/08/13 10:40	10/10/13 8:10
SB4-0.5	1303172-11	Soil	10/08/13 10:41	10/10/13 8:10
SB4-1.5	1303172-12	Soil	10/08/13 10:42	10/10/13 8:10
SB5-0.0	1303172-13	Soil	10/08/13 10:50	10/10/13 8:10
SB5-0.5	1303172-14	Soil	10/08/13 10:51	10/10/13 8:10
SB5-1.5	1303172-15	Soil	10/08/13 10:52	10/10/13 8:10
SB6-0.0	1303172-16	Soil	10/08/13 11:00	10/10/13 8:10
SB6-0.5	1303172-17	Soil	10/08/13 11:01	10/10/13 8:10
SB6-1.5	1303172-18	Soil	10/08/13 11:02	10/10/13 8:10
NB7-0.0	1303172-19	Soil	10/08/13 12:05	10/10/13 8:10
NB7-0.5	1303172-20	Soil	10/08/13 12:06	10/10/13 8:10
NB7-1.5	1303172-21	Soil	10/08/13 12:07	10/10/13 8:10
NB8-0.0	1303172-22	Soil	10/08/13 12:10	10/10/13 8:10
NB8-0.5	1303172-23	Soil	10/08/13 12:11	10/10/13 8:10
NB8-1.5	1303172-24	Soil	10/08/13 12:12	10/10/13 8:10
NB9-0.0	1303172-25	Soil	10/08/13 12:15	10/10/13 8:10
NB9-0.5	1303172-26	Soil	10/08/13 12:16	10/10/13 8:10
NB9-1.5	1303172-27	Soil	10/08/13 12:17	10/10/13 8:10
NB10-0.0	1303172-28	Soil	10/08/13 12:20	10/10/13 8:10
NB10-0.5	1303172-29	Soil	10/08/13 12:21	10/10/13 8:10
NB10-1.5	1303172-30	Soil	10/08/13 12:22	10/10/13 8:10
NB11-0.0	1303172-31	Soil	10/08/13 12:25	10/10/13 8:10
NB11-0.5	1303172-32	Soil	10/08/13 12:26	10/10/13 8:10
NB11-1.5	1303172-33	Soil	10/08/13 12:27	10/10/13 8:10



Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/17/2013

Total Metals by ICP-AES EPA 6010B

Analyte: Lead

Analyst: AG

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1303172-01	SB1-0.0	340	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 09:46	
1303172-02	SB1-0.5	19	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 09:50	
1303172-03	SB1-1.5	59	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 09:51	
1303172-04	SB2-0.0	21	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 09:53	
1303172-05	SB2-0.5	6.6	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 09:58	
1303172-06	SB2-1.5	7.1	mg/kg	0.99	NA	1	B3J0255	10/11/2013	10/14/13 10:00	
1303172-07	SB3-0.0	8.5	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:01	
1303172-08	SB3-0.5	16	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:03	
1303172-09	SB3-1.5	7.3	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:05	
1303172-10	SB4-0.0	32	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:06	
1303172-11	SB4-0.5	5.3	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:08	
1303172-12	SB4-1.5	8.4	mg/kg	0.99	NA	1	B3J0255	10/11/2013	10/14/13 10:10	
1303172-13	SB5-0.0	10	mg/kg	0.99	NA	1	B3J0255	10/11/2013	10/14/13 10:11	
1303172-14	SB5-0.5	5.6	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:13	
1303172-15	SB5-1.5	8.3	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:18	
1303172-16	SB6-0.0	5.1	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:20	
1303172-17	SB6-0.5	6.5	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:22	
1303172-18	SB6-1.5	8.4	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:24	
1303172-19	NB7-0.0	140	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:25	
1303172-20	NB7-0.5	11	mg/kg	1.0	NA	1	B3J0255	10/11/2013	10/14/13 10:27	
1303172-21	NB7-1.5	12	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 10:32	
1303172-22	NB8-0.0	38	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 10:59	
1303172-23	NB8-0.5	5.5	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:00	
1303172-24	NB8-1.5	18	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:02	
1303172-25	NB9-0.0	60	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:03	
1303172-26	NB9-0.5	6.3	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:05	
1303172-27	NB9-1.5	9.7	mg/kg	0.99	NA	1	B3J0256	10/11/2013	10/14/13 11:06	
1303172-28	NB10-0.0	79	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:08	
1303172-29	NB10-0.5	12	mg/kg	0.99	NA	1	B3J0256	10/11/2013	10/14/13 11:10	
1303172-30	NB10-1.5	12	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:11	



Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/17/2013

Total Metals by ICP-AES EPA 6010B

Analyte: Lead

Analyst: AG

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1303172-31	NB11-0.0	82	mg/kg	0.99	NA	1	B3J0256	10/11/2013	10/14/13 11:13	
1303172-32	NB11-0.5	7.1	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:18	
1303172-33	NB11-1.5	12	mg/kg	1.0	NA	1	B3J0256	10/11/2013	10/14/13 11:20	



Certificate of Analysis

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3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/17/2013

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
---------	-------------------	----------------	----------------	------------------	-------	-----------------	-----	--------------	-------

Batch B3J0255 - EPA 3050B

Blank (B3J0255-BLK1)

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	ND	1.0		NR	
------	----	-----	--	----	--

LCS (B3J0255-BS1)

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	49.0925	1.0	50.0000	98.2	80 - 120
------	---------	-----	---------	------	----------

Matrix Spike (B3J0255-MS1)

Source: 1303172-01

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	371.290	1.0	125.000	337.068	27.4	51 - 106		M2
------	---------	-----	---------	---------	------	----------	--	----

Matrix Spike Dup (B3J0255-MSD1)

Source: 1303172-01

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	389.608	1.0	125.000	337.068	42.0	51 - 106	4.81	20	M2
------	---------	-----	---------	---------	------	----------	------	----	----

Batch B3J0256 - EPA 3050B

Blank (B3J0256-BLK1)

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	ND	1.0		NR	
------	----	-----	--	----	--

LCS (B3J0256-BS1)

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	50.4373	1.0	50.0000	101	80 - 120
------	---------	-----	---------	-----	----------

Matrix Spike (B3J0256-MS1)

Source: 1303172-21

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	99.4545	0.99	123.762	12.1883	70.5	51 - 106
------	---------	------	---------	---------	------	----------

Matrix Spike Dup (B3J0256-MSD1)

Source: 1303172-21

Prepared: 10/11/2013 Analyzed: 10/14/2013

Lead	100.925	1.0	125.000	12.1883	71.0	51 - 106	1.47	20
------	---------	-----	---------	---------	------	----------	------	----



Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/17/2013

Notes and Definitions

M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.

(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

CHAIN OF CUSTODY RECORD

3/4



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755

Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____

Logged By: _____ Date: _____

Method of Transport

Client ☐
ATL ☐
CA OverN ☐
FedEx ☐
Other: _____

Sample Condition Upon Receipt

1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON Consultants, Inc

Attention: Jim Brake

Address: 3160 Gold Valley Drive, Suite 800

City: Rancho Cordova

State: CA

Zip Code: 95742

Tel: 916.852.9118

Fax: 916.852.9132

Project Name:

Old Bayshore Freeway ADL

Project #:

S9819-03-02

Sampler: (Printed Name)

M. O'Brien

(Signature)

Relinquished by: (Signature and Printed Name)

Date:

10/9/13

Time:

650

Received by: (Signature and Printed Name)

C. Aguirre

Date:

10/10/13

Time:

600

Relinquished by: (Signature and Printed Name)

Date:

Time:

Received by: (Signature and Printed Name)

Date:

Time:

Relinquished by: (Signature and Printed Name)

Date:

Time:

Received by: (Signature and Printed Name)

Date:

Time:

I hereby authorize ATL to perform the work indicated below:

Project Mgr (Submitter):

Gemma REBLANDO 10/9/13

Print Name Date

Gemma Reblando

Signature

Send Report To:

Attn:

Co:

SAME AS ABOVE

Addr:

City:

State:

Zip:

Bill To:

Attn:

Co:

SAME AS ABOVE

Addr:

City:

State:

Zip:

Special Instructions/Comments:

Homogenize samples prior to analysis.

Please copy Kari Cook on the results and include an excel file. Thank you. (cook@geoconinc.com)

Sample/Records - Archival & Disposal

Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):

- Sample: \$2.00 / sample /mo (after 45 days)
- Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC

RTNE ☒
CT ☐

SWRCB Logcode _____

OTHER _____

PRESERVATION

REMARKS

LAB USE ONLY:

Sample Description

Lab No.

Sample ID / Location

Date

Time

1303172-21

NB7-1.5

10/8/13

1207

-22

NB8-0.0

1210

-23

0.5

1211

-24

1.5

1212

-25

NB9-0.0

1215

-26

0.5

1216

-27

1.5

1217

-28

NB10-0.0

1220

-29

0.5

1221

-30

1.5

1222

TAT starts 8AM the following day if samples received after 3 PM

TAT: A =

Overnight
≤ 24 hrs

B =

Emergency
Next Workday

C =

Critical
2 Workdays

D =

Urgent
3 Workdays

E =

Routine
7 Workdays

Preservatives:

H=HCl N=HNO₃ S=H₂SO₄ C=4°C

Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube

V=VOA

L=Liter

P=Pin

J=Jar

B=Tedlar

G=Glass

P=Plastic

M=Metal



October 24, 2013

Jim Brake
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
Tel: (916) 852-9118
Fax: (916) 852-9132



Re: ATL Work Order Number : 1303172
Client Reference : Old Bayshore Freeway ADL, S9819-03-02

Enclosed are the results for sample(s) received on October 10, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

A handwritten signature in black ink, appearing to read "E Rodriguez", is written over a white background.

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/24/2013

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB1-0.0	1303172-01	Soil	10/08/13 10:10	10/10/13 8:10
SB1-1.5	1303172-03	Soil	10/08/13 10:12	10/10/13 8:10
NB7-0.0	1303172-19	Soil	10/08/13 12:05	10/10/13 8:10
NB9-0.0	1303172-25	Soil	10/08/13 12:15	10/10/13 8:10
NB10-0.0	1303172-28	Soil	10/08/13 12:20	10/10/13 8:10
NB11-0.0	1303172-31	Soil	10/08/13 12:25	10/10/13 8:10



Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/24/2013

TCLP Metals by ICP-AES EPA 6010B

Analyte: Lead

Analyst: AG

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1303172-01	SB1-0.0	0.10	mg/L	0.050	NA	1	B3J0480	10/22/2013	10/23/13 08:41	
1303172-19	NB7-0.0	0.12	mg/L	0.050	NA	1	B3J0480	10/22/2013	10/23/13 08:44	

STLC Metals by ICP-AES by EPA 6010B

Analyte: Lead

Analyst: AG

Laboratory ID	Client Sample ID	Result	Units	PQL	MDL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1303172-01	SB1-0.0	18	mg/L	1.0	NA	20	B3J0499	10/23/2013	10/23/13 13:14	
1303172-03	SB1-1.5	3.0	mg/L	1.0	NA	20	B3J0499	10/23/2013	10/23/13 13:16	
1303172-19	NB7-0.0	5.3	mg/L	1.0	NA	20	B3J0499	10/23/2013	10/23/13 13:18	
1303172-25	NB9-0.0	2.6	mg/L	1.0	NA	20	B3J0499	10/23/2013	10/23/13 13:21	
1303172-28	NB10-0.0	3.9	mg/L	1.0	NA	20	B3J0499	10/23/2013	10/23/13 13:23	
1303172-31	NB11-0.0	4.4	mg/L	1.0	NA	20	B3J0499	10/23/2013	10/23/13 13:25	



Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/24/2013

QUALITY CONTROL SECTION

TCLP Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3J0480 - EPA 3010A_SOIL									
Blank (B3J0480-BLK1)				Prepared: 10/22/2013 Analyzed: 10/23/2013					
Lead	ND	0.050					NR		
Blank (B3J0480-BLK2)				Prepared: 10/22/2013 Analyzed: 10/23/2013					
Lead	ND	0.050					NR		
LCS (B3J0480-BS1)				Prepared: 10/22/2013 Analyzed: 10/23/2013					
Lead	0.996362	0.050	1.00000		99.6	80 - 120			
Duplicate (B3J0480-DUP1)				Prepared: 10/22/2013 Analyzed: 10/23/2013					
Lead	0.023193	0.050		0.010093	NR		78.7	20	R
Matrix Spike (B3J0480-MS1)				Prepared: 10/22/2013 Analyzed: 10/23/2013					
Lead	2.13440	0.050	2.50000	0.010093	85.0	76 - 109			
Matrix Spike Dup (B3J0480-MSD1)				Prepared: 10/22/2013 Analyzed: 10/23/2013					
Lead	2.26549	0.050	2.50000	0.010093	90.2	76 - 109	5.96	20	



Certificate of Analysis

Geocon Consultants, Inc.

3160 Gold Valley Drive, Suite 800

Rancho Cordova, CA 95742

Project Number : Old Bayshore Freeway ADL, S9819-03-02

Report To : Jim Brake

Reported : 10/24/2013

STLC Metals by ICP-AES by EPA 6010B - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3J0499 - STLC Extraction									
Blank (B3J0499-BLK1)				Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	ND	1.0			NR				
Blank (B3J0499-BLK2)				Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	ND	1.0			NR				
LCS (B3J0499-BS1)				Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	2.01021	1.0	2.00000		101	80 - 120			
Duplicate (B3J0499-DUP1)		Source: 1303113-60		Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	9.05175	1.0		7.85539	NR		14.2	20	
Duplicate (B3J0499-DUP2)		Source: 1303172-31		Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	4.54251	1.0		4.39627	NR		3.27	20	
Matrix Spike (B3J0499-MS1)		Source: 1303113-60		Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	10.0175	1.0	2.50000	7.85539	86.5	33 - 131			
Matrix Spike (B3J0499-MS2)		Source: 1303172-31		Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	6.61669	1.0	2.50000	4.39627	88.8	33 - 131			
Matrix Spike Dup (B3J0499-MSD1)		Source: 1303113-60		Prepared: 10/23/2013 Analyzed: 10/23/2013					
Lead	9.41625	1.0	2.50000	7.85539	62.4	33 - 131	6.19	20	



Certificate of Analysis

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Notes and Definitions

R	RPD value outside acceptance criteria. Calculation is based on raw values.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:

- (1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
- (2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

Diane Galvan

From: Jim Brake [brake@geoconinc.com]
Sent: Friday, October 18, 2013 8:35 AM
To: Diane Galvan
Subject: RE: Results/EDD - Old Bayshore Freeway ADL (1303172)

Hi Diane. Please run the following six samples for soluble lead using the WET:

SB1-0.0
SB1-1.5
NB7-0.0
NB9-0.0
NB10-0.0
NB11-0.0

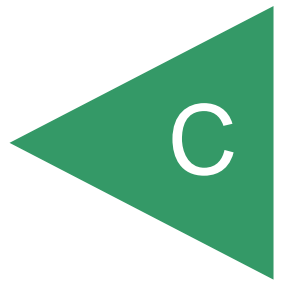
Also, please run SB1-0.0 and NB7-0.0 for soluble lead using the TCLP.

Thanks,
Jim



Jim Brake, PG | *Senior Geologist/Associate*
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APPENDIX



SUMMARY OF STATISTICAL ANALYSIS
FORMER SAN JOSE HYATT/OLD BAYSHORE HIGHWAY LAND SWAP
SAN JOSE, CALIFORNIA

Total Lead UCLs (mg/kg)

Sample Interval (feet)	90% UCL	95% UCL
0.0 to 0.5	110.3	121.5
0.5 to 1.0	11.0	11.4
1.5 to 2.0	20.4	21.8

Excavation Scenarios

Excavation Depth	90% UCL		95% UCL	
	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)	Total Lead (mg/kg)	Soluble (WET) Lead * (mg/l)
0.0 to 0.5 foot	110.3	5.6	121.5	6.2
Underlying Soil (0.5 to 2.0 feet)	14.1	0.7	14.9	0.8
0.0 to 1.0 foot	60.7	3.1	66.5	3.4
Underlying Soil (1.0 to 2.0 feet)	15.7	0.8	16.6	0.8
0.0 to 1.5 feet	44.1	2.2	48.1	2.4
Underlying Soil (1.5 to 2.0 feet)	20.4	1.0	21.8	1.1
0.0 to 2.0 feet	38.2	1.9	41.5	2.1

Notes:

UCL = Upper Confidence Limit

90% UCL applicable for waste classification and onsite reuse

95% UCL applicable for risk assessment and offsite disposal

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

* = Soluble (WET) lead concentrations were predicted using slope of the regression line,
where y = predicted soluble (WET) lead and x = total lead

Regression Line Slope:

$$y = 0.0507 x$$

Project Name: Former San Jose Hyatt/Old Bayshore Highway Land Swap
Geocon Project No.: S9819-03-02
Sample Population: All Samples

Lead - 0.0 ft

Number of Valid Observations	11
Number of Distinct Observations	11
Minimum	5.1
Maximum	340
Mean	74.2
Geometric Mean	37.48
Median	38
SD	97.16
Variance	9440
Std. Error of Mean	29.29
Coefficient of Variation	1.31
Skewness	2.389
Mean of log data	3.624
SD of log data	1.276
90% Standard Bootstrap UCL	110.3
95% Standard Bootstrap UCL	121.5

Lead - 0.5 ft

Number of Valid Observations	11
Number of Distinct Observations	11
Minimum	5.3
Maximum	19
Mean	9.2
Geometric Mean	8.282
Median	6.6
SD	4.713
Variance	22.21
Std. Error of Mean	1.421
Coefficient of Variation	0.514
Skewness	1.254
Mean of log data	2.114
SD of log data	0.455
90% Standard Bootstrap UCL	11.0
95% Standard Bootstrap UCL	11.4

Lead - 1.5 ft

Number of Valid Observations	11
Number of Distinct Observations	8
Minimum	7.1
Maximum	59
Mean	14.8
Geometric Mean	11.66
Median	9.7
SD	15.01
Variance	225.3
Std. Error of Mean	4.526
Coefficient of Variation	1.018
Skewness	3.067
Mean of log data	2.456
SD of log data	0.604
90% Standard Bootstrap UCL	20.4
95% Standard Bootstrap UCL	21.8

**Former San Jose Hyatt/Old Bayshore Highway Land Swap
S9819-03-02**

Sample ID	Total Lead	WET Lead
NB9-0.0	60	2.6
SB1-1.5	59	3.0
NB10-0.0	79	3.9
NB11-0.0	82	4.4
NB7-0.0	140	5.3
SB1-0.0	340	18

